

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Application No.: Date Filed: Title:		11/20/03	Group Art Unit Examiner: Batch No.: APPARATUS FOR ADAPTIVE I	
		INFORMATIO	ON DISCLOSURE STATEM	IENT (IDS)
		or Patents 22313-1450		
	n attach		or subsequently identified herei	F.R. §§1.97 and 1.98, the references in, are being submitted herewith for
I.	COPIE a.⊠ b.□	A legible copy of (i) each caused it to be listed; and is included herewith.  Any patents, publication enclosed herewith were	d (iii) all other information or that as or other information which are	each publication or that portion which at portion which caused it to be listed, the listed on PTO/SB/08 which are not to the PTO in one of the followinging date under 35 U.S.C. §120:
		U.S. Serial Number		U.S. Filing Date
II.	CONC a. ⊠ b. □ c. □	Except as may be indicated information are in the Expansion of that is not in the English	nglish language (concise explanatof the relevance of all patents, pu	Il of the patents, publications or other ion not required). blications or other information listed
III. 🗌	The Ex	ted to the present applicat	following co-pending application	o(s) contain(s) subject matter that may elications to the Examiner's attention, 5 U.S.C. §122.
	Serial 1	<u>Vo.</u>	Filing Date	Art Unit
			FEES	
IV. 🛚	THIS I a.   b.   c.   d.   d.	within three months o prosecution application required. within three months of international application before the mailing date or statement is required.	DER 37 C.F.R. §1.97(b): (check of the filing date of a national under § 1.53(d) (37 C.F.R. §1) the date of entry of the nationa (37 C.F.R. §1.97(b)(2)). No fee of a first Office Action on the me	application other than a continued 1.97(b)(1)). No fee or statement is l stage as set forth in § 1.491 in an
		examination under § 1.1	14 (37 C.F.R. § 1.97(b)(4)). No 1	fee or statement is required.

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V. 🗌	before t	he mailin 7 C.F.R. )). No state §1.17(p	§1.311, or an action that ement; therefore, charge	Office Acti t otherwise of Deposit Acc	on under 37 C.F.R. §1.113, closes prosecution in the approximate the set for t	olication (See 37 C.F.R.
VI. 🗌		fore payi a statem	ING FILED UNDER 37 ment of the issue fee and tent under 37 C.F.R. §1. Deposit Account 502117	l is accompa 97(e) as pro	nied by the following:	
VII.	The und a.   b.   c.	lersigned each ite Patent ( of IDS; no item Patent ( statement known ( filing of some of foreign informa a counte to the r informa a counte making individu statement	hereby states that am of information contain of or of information contain of information contain of information contain of information contains at after making reasonate to any individual design this statement, or of the items of information of the items of information contained in the ID or part foreign application emaining information, it in contained in the ID or part foreign application reasonable inquiry, no hald designated in 37 C.F. int.	ined in the oreign applicated in the Illoreign applicable inquiry, nated in 37 (or contained this inform S was cited in not more to the undersign systems or to the litem of info	nly one box, if applicable)  IDS was cited in a communication not more than three matter than three matter than the matter of th	sonths prior to the filing sication from a foreign of the person signing the ntained in the IDS was ree months prior to the communication from a stes that each item of foreign Patent Office in e filing of this IDS. As item of this remaining foreign Patent Office in ning the statement after IDS was known to any
VIII.		Please of fee(s). If Appli Commis Two Co	tin the amount of charge Deposit Account cant has overlooked any scioner is hereby authoripies of this paper are att	502117 in the additional for zed to credit tached for D	esed for the above-identified the amount of \$180.00 for the fees, or if any overpayment to r debit Deposit Account 5 eposit Account charges and	has been made, the 602117. debits.
	e statuto	ry prior		nich anticipa	rests of candor and without tes the invention or which eary skill in the art.	
	etermine	d that th	is IDS has been filed un	nder the wro	OS, he/she is requested to c ng rule, the PTO is request the appropriate fee to Depo	ed to consider this IDS
MOTOF Custome	ROLA, II er Numbe				Respectfully submitted, Pan, Jianhua  Matthew C. Loppnow Attorney for Applicant(s) Reg. No. 45,314	ב כן סבאיי
Enclosu			PTO/SB/08 References Foreign Search Report		Tel. 847-523-2585	

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	Examiner Cite No. 1 Document Number			ication Date	Name of Patentee or Applicant		pplicant	Pages, Columns, Lines, Where Re	elevant
Initials*		Number -Kind Code <sup>2</sup> (if known)	MM	-DD-YYYY of Cited Document		Passages or Relevant Figures Appear			
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		US - 5,691,893	11-25		Stothers				
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Substitute for form 14	49A/PTO			Complete if Known			
				Application Number			
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(use as many sheets	as necessary)			Examiner Name		<u> </u>	
Sheet	2	of	2	Attorney Docket Number	CS23552RL		

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
		REGINE LE BOUQUIN JEANNES, PASCAL SCALART, GERARD FAUCON AND CHRISTOPHE BEAUGEANT, "Combined Noise and Echo Reduction in Hands-Free Systems: A Survey", IEEE Transactions on Speech and Audio Processing, Vol. 9, No. 8, November 2001, 13 pages			
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